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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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Vikram Kapoor

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EXAMINER

AMINZAY, SHAIMA Q

ART UNIT

PAPER NUMBER

2618

DATE MAILED: 07/20/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/933,321

Applicant(s)

KAPOOR ET AL

Examiner

Shaima Q. Aminzay

Art Unit

2618

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 15 May 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-7 and 16-20 is/are allowed.
- 6) ☒ Claim(s) 8-10, 12, 14 and 15 is/are rejected.
- 7) ☒ Claim(s) 11 and 13 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 20 September 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

## ***DETAILED ACTION***

**Note:** This office action has been restructured for clarity. Examiner did not change the ground of rejection; but has changed the argument of the rejection for clarity. The references Sadlre (Sadler, U. S. No. Patent No. 6058,319) in view of Neaves (Neaves et al., U. S. Publication No. 2004/0204,042) teach the limitations of the claims, and the Examiner shows (rejection above) that the references are related to the claimed limitations.

### ***Response to Arguments***

Applicant's arguments filed May 15, 2006 have been fully considered.

1. Arguments with respect to claims 1-7, 11, 13, 16-20 is moot in view of indicating that they are allowable subject matter as stated in the previous office action.
2. Applicant's arguments with respect to claims 8-10, 12, and 14-15 under 35 U.S.C.103(a) Rejection has been fully considered, but they are not persuasive.

The applicant's argued features in the claims, i.e., providing an "audiocassette adapter for coupling a mobile electronic device to an audiocassette player, a cassette head coupling device; a mobile electronic device input coupled to the cassette head coupling device", and "an audiocassette player command signal

generator; a control signal output coupled to the audiocassette player command signal generator" to be established read upon Sadlre (Sadler, U. S. No. Patent No. 6058,319) in view of Neaves (Neaves et al., U. S. Publication No.

2004/0204,042). Sadlre discloses an *audiocassette adapter for coupling the mobile station to an audio cassette player including the cassette head coupling device, audiocassette player signal generating, output control signal, having audiocassette player signal generator, and indicating the output control signal coupling to audiocassette player signal to activate player functions such as playing audio, terminating audio and other audiocassette player functions).*

Sadlre does not specifically teach "command", however, Sadlre teaches generating control signal and audiocassette player signals, *having audiocassette player signal generator, and indicating the output control signal coupling to audiocassette player signal to activate player functions such as playing audio, terminating audio and other audiocassette player function.* In a related art dealing with mobile communication device coupling audiocassette player, Neaves teaches audiocassette player command, *audio "command" control signal and the audiocassette player performance, for example play-back).*

Sadlre and Neaves are analogous to the applicants teaching, that's why they do obviate. The rejection is maintained.

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 8-10, 12, and 14-15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sadlre (Sadler, U. S. No. Patent No. 6058,319) in view of Neaves (Neaves et al., U. S. Publication No. 2004/0204,042).

Regarding claim 8, Sadlre discloses an audiocassette adapter for coupling a mobile electronic device to an audiocassette player (*see for example, Figures 1-3, column 1, lines 5-8, lines 44-57, columns 2, lines 12-16, lines 34-44, lines 64-67, column 3, lines 1-6, lines 66-67, column 4, lines 1-21, audiocassette adapter for coupling the mobile station (radio or wireless communication) to an audio cassette player*), comprising: a cassette head coupling device (*see for example, column 1, lines 44-57, column 3, lines 34-43, lines 66-67, column 4, lines 1-35, the cassette head coupling device*); a mobile electronic device input coupled to the cassette head coupling device (*see for example, column 2, lines 34-67*); an audiocassette player [command] signal generator (*see for example, column 1, lines 44-57, column 2, lines 47-63, column 7, lines 34-40, column 8, lines 17-22,*

*audiocassette player signal generating*); a control signal output coupled to the audiocassette player *[command]* signal generator (see for example, column 1, lines 44-57, column 2, lines 47-63, column 3, lines 24-43, column 4, lines 66-67, column 5, lines 1-3, column 6, lines 56-63, column 7, lines 34-40, column 8, lines 17-22, output control signal and audiocassette player signal generator).

Sadlre does not specifically teach "command", however, Sadlre teaches generating control signal and audiocassette player signals (see for example, column 1, lines 44-57, column 2, lines 47-63, column 3, lines 24-43, column 4, lines 66-67, column 5, lines 1-3, column 6, lines 56-63, column 7, lines 34-40, column 8, lines 17-22, having audiocassette player signal generator, and indicating the output control signal coupling to audiocassette player signal to activate player functions such as playing audio, terminating audio and other audiocassette player functions).

In a related art dealing with mobile communication device coupling audiocassette player (see for example, paragraph [0001], lines 1-3, [0002], lines 1-8, [0003], lines 1-3, [0004], lines 1-4, [0022], lines 1-4), Neaves teaches generating commands (see for example, paragraph [0018], lines 1-19, [0019], lines 1-7, and [0022], lines 1-4, providing generation of "command" control, audio signal and the audiocassette player performance, for example play-back).

It would have been obvious to one of ordinary skill in the art at the time invention was made to have included Neaves's audio command into Sadlre's mobile communication device coupling audiocassette player (Sadlre, column 1,

*lines 65-67, column 2, lines 1-4, column 7, lines 34-40, column 8, lines 17-22) to provide a mobile communication device coupling audiocassette player "which allows the transmittal of audio over a telecommunications link while minimizing the loss of sound quality" (Neaves, paragraph [0004], lines 1-4, [0018], lines 1-19, [0019], lines 1-7, and [0022], lines 1-4).*

Regarding claim 9, Sadlre in view of Neaves teach all the claimed limitation as recited in claim 8, further, Sadlre teaches the audiocassette player [command] signal generator for outputting unique control signals (*see for example, column 1, lines 44-57, column 2, lines 47-63, column 7, lines 34-40, column 8, lines 17-22*), and further, Neaves teaches in response to corresponding audiocassette player commands (*see for example, paragraph [0018], lines 1-19, [0019], lines 1-7, and [0022], lines 1-4*).

Regarding claim 10, Sadlre in view of Neaves teach all the claimed limitation as recited in claim 8, further, Sadlre teaches the audiocassette player [command] signal generator comprising (*see for example, column 1, lines 44-57, column 2, lines 47-63, column 7, lines 34-40, column 8, lines 17-22*), and further, Neaves teaches a rotational transducer with a transducer output coupled to the control signal output of the audiocassette adapter (*see for example, paragraph [0017], lines 3-13, [0018], lines 1-19, [0019], lines 1-7, and [0022], lines 1-4*).

Regarding claim 12, Sadlre in view of Neaves teach all the claimed limitation as recited in claim 8, further, Sadlre teaches the audiocassette player [command] signal generator comprising (*see for example, column 1, lines 44-57, column 2, lines 47-63, column 7, lines 34-40, column 8, lines 17-22*) a cassette head actuatable switch with a switch output coupled to the control signal output of the audiocassette adapter (*see for example, column 3, lines 66-67 continued to column 4, lines 1-30*).

Regarding claim 14, Sadlre in view of Neaves teach all the claimed limitation as recited in claim 8, further, Sadlre teaches the audiocassette player command signal generator comprising an cassette head actuatable switch (*see for example, column 1, lines 44-57, column 2, lines 47-63, column 3, lines 66-67 continued to column 4, lines 1-30, column 7, lines 34-40, column 8, lines 17-22*), the audiocassette player [command] signal generator comprising (*see for example, column 1, lines 44-57, column 2, lines 47-63, column 7, lines 34-40, column 8, lines 17-22*), and further, Neaves teaches a rotational transducer (*see for example, paragraph [0017], lines 3-13, [0018], lines 1-19, [0019], lines 1-7, and [0022], lines 1-4*); a logic device having an output coupled to the control signal output ; a switch output of the audiocassette player head actuatable switch coupled to an input of the logic device, a transducer output of the rotational transducer coupled to another input of the logic device (*see for example, paragraph [0017], lines 3-13, [0018], lines 1-19, [0019], lines 1-7, [0020], lines 1-*



5, and [0022], lines 1-4).

Regarding claim 15, Sadlre in view of Neaves teach all the claimed limitation as recited in claim 14, further, Sadlre teaches the audiocassette player [command] signal generator for outputting unique control signals (see for example, column 1, lines 44-57, column 2, lines 47-63, column 7, lines 34-40, column 8, lines 17-22), and further, Neaves teaches in response to corresponding audiocassette player commands (see for example, paragraph [0018], lines 1-19, [0019], lines 1-7, and [0022], lines 1-4).

### ***Allowable Subject Matter***

4. Claims 16-20 are allowed, claims 11 and 13 are objected.

Claims 11 and 13 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The prior art specifically Sadlre and Neaves failed to render obviousness in combination or individually and failed to anticipate individually the following underlined limitations:

"An audiocassette adapter for coupling a mobile electronic device to an audiocassette player, comprising: a cassette head coupling device; a mobile electronic device input coupled to the cassette head coupling device; an audiocassette player command signal generator; a control signal output coupled to the audiocassette player command signal generator", and "the audiocassette player command signal generator comprising a rotatable spur gear having a conductive portions separated by nonconductive portions, first and second slide contacts contacting the rotatable spur gear" as disclosed in claims 8 and 11.

"An audiocassette adapter for coupling a mobile electronic device to an audiocassette player, comprising: a cassette head coupling device; a mobile electronic device input coupled to the cassette head coupling device; an audiocassette player command signal generator; a control signal output coupled to the audiocassette player command signal generator", and "the audiocassette player command signal generator comprising a momentary switch including first and second contacts, one of the first and second contacts disposed on a spring biased cassette head actuatable member" as disclosed in claims 8 and 13.

### ***Conclusion***

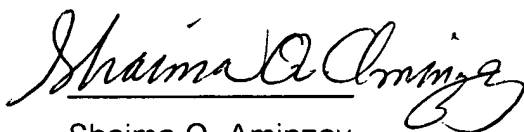
**THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.

## Inquiry

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shaima Q. Aminzay whose telephone number is 571-272-7874. The examiner can normally be reached on 7:00 AM -5:00 PM. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nay Maung can be reached on 571-272-7882. The fax number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Shaima Q. Aminzay  
(Examiner)

  
NAY MAUNG  
SUPERVISORY PATENT EXAMINER

\_\_\_\_\_  
Nay A. Maung  
(SPE)

July 13, 2006